



March 10, 2004

Mr. Nabil S. Fayoumi
U. S. EPA - Region 5
77 West Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

**Re: Sauget Area 2 Site – October 3, 2002 Unilateral Administrative Order (UAO) Groundwater Operable Unit
15 - Monthly Report; February 1 - February 29, 2004 Reporting Period**

Dear Mr. Fayoumi,

Attached is the Monthly Report for the Sauget Area 2 Site October 3, 2002 Unilateral Administrative Order (UAO) - Groundwater Operable Unit. This submittal is in fulfillment of the monthly reporting requirements of the UAO, Section XII, paragraph 62, Progress Reports.

As you know, Gary Vandiver the former Project Coordinator for this project, has taken early retirement from Solutia Inc. Additionally, negotiations are on-going with Monsanto/Pharmacia (with the U.S. Department of Justice acting as intermediary) as to the future management and financing of this UAO work in Sauget Area 2. We are hopeful that the parties will come to an agreement in the very near future on these issues, including the appointment of a Project Coordinator.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven D. Smith".

Steven D. Smith

cc: Bardo, Ken - U. S. EPA
Sandra Bron - IEPA
Richard Williams - Solutia
Cathleen Bumb - Solutia
Mayor Frank Bergman - Cahokia
Village of Sauget - c/o P. H. Weis & Associates (Attn: Brian Nelson)
Mayor Sauget - Sauget, IL
Mike Coffey - U. S. Fish & Wildlife Service
Jeff Klieve - Monsanto

Sauget Area 2 Site - Sauget, Illinois

October 3, 2002 UAO – Groundwater Operable Unit

Status Report

Date of Report: March 10, 2004
Period Covered: February 1 - February 29, 2004

Agency Actions / Communications

In an e-mail message dated June 19, 2003, U. S. EPA requested the submission of revised versions of the Focused Feasibility Study, the Remedial Design Work Plan, and the Pre-Final (95%) Remedial Design. The revisions were required to allow the use of a slurry wall rather than jet grouting for construction of the barrier wall. The revised documents were submitted on July 3, 2003. The ESD was issued by US EPA on July 30, 2003. The Final Design Submittals were approved by EPA on October 16, 2003.

Work Performed During the Reporting Period

Slurry Wall

- Total excavation through February 20, 2004 = 217,982 sq ft. This does not include the area around the Ranney well which is ~ 7880 sq ft.
- Total backfill placed through February 29, 2004 = 107,914 sq ft.

In a letter dated February 5, 2004, Solutia informed the Agencies that slurry wall construction would be suspended until at least March 1, 2004 due to the wintry weather conditions in the St. Louis area. The inspection and maintenance activities described in a document sent to the Agencies on February 13, 2004 were performed. No signs of trench instability have been noted.

Groundwater Treatment

- Pumping rates for the groundwater extraction system were set at the maximum system capacity on February 4, 2004 and were maintained at that level for the remainder of the month. The groundwater levels in all of the piezometers have been below the river level since February 21, 2004.

- Other control points are being considered since river level changes so rapidly. The ROD specifies:

"Pumping rates will be adjusted so that water-level elevation in the inside piezometer is the same as the water-level elevation in the outside piezometer. This will ensure that groundwater moving to the physical barrier is controlled."

- Measurement of inside and outside piezometer levels can demonstrate control even though the barrier wall is not complete. Additional groundwater information will be forwarded to the Agencies by March 8, 2004.
- Effluent pumping data for each well are attached.
- Piezometer and pumping data are being forwarded to the Agencies weekly.
- The motor on the pump at Extraction Well EW-2 was replaced and the well was restarted on February 2, 2004. Spare pump and motor assemblies for 10 inch and 12 inch diameter wells were purchased and are stored on site.

Schedule

Construction activities on the slurry wall are expected to resume in March when the weather improves.

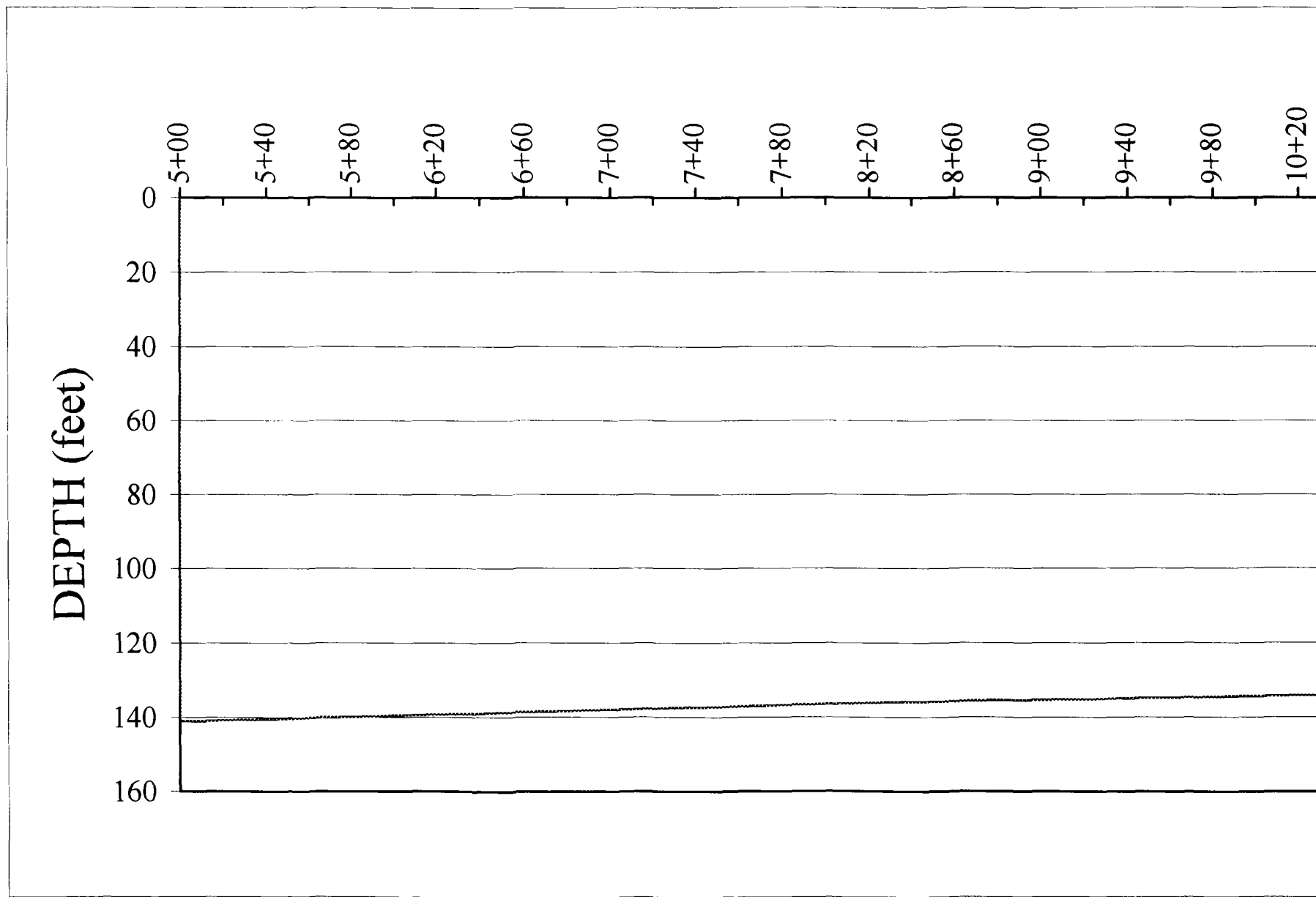
Submittals in February

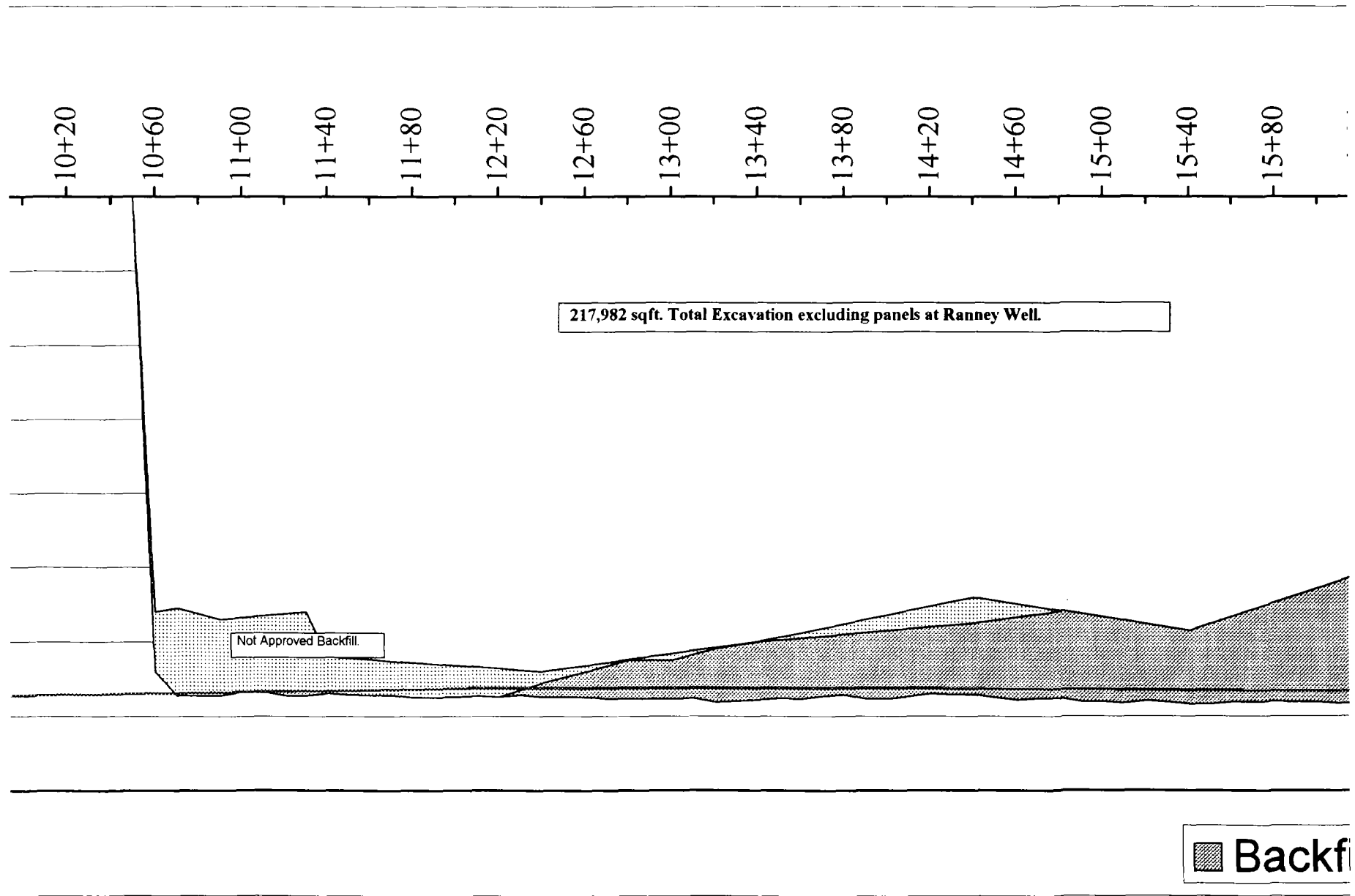
There were no submittals in February.

Work Scheduled for Next Reporting Period

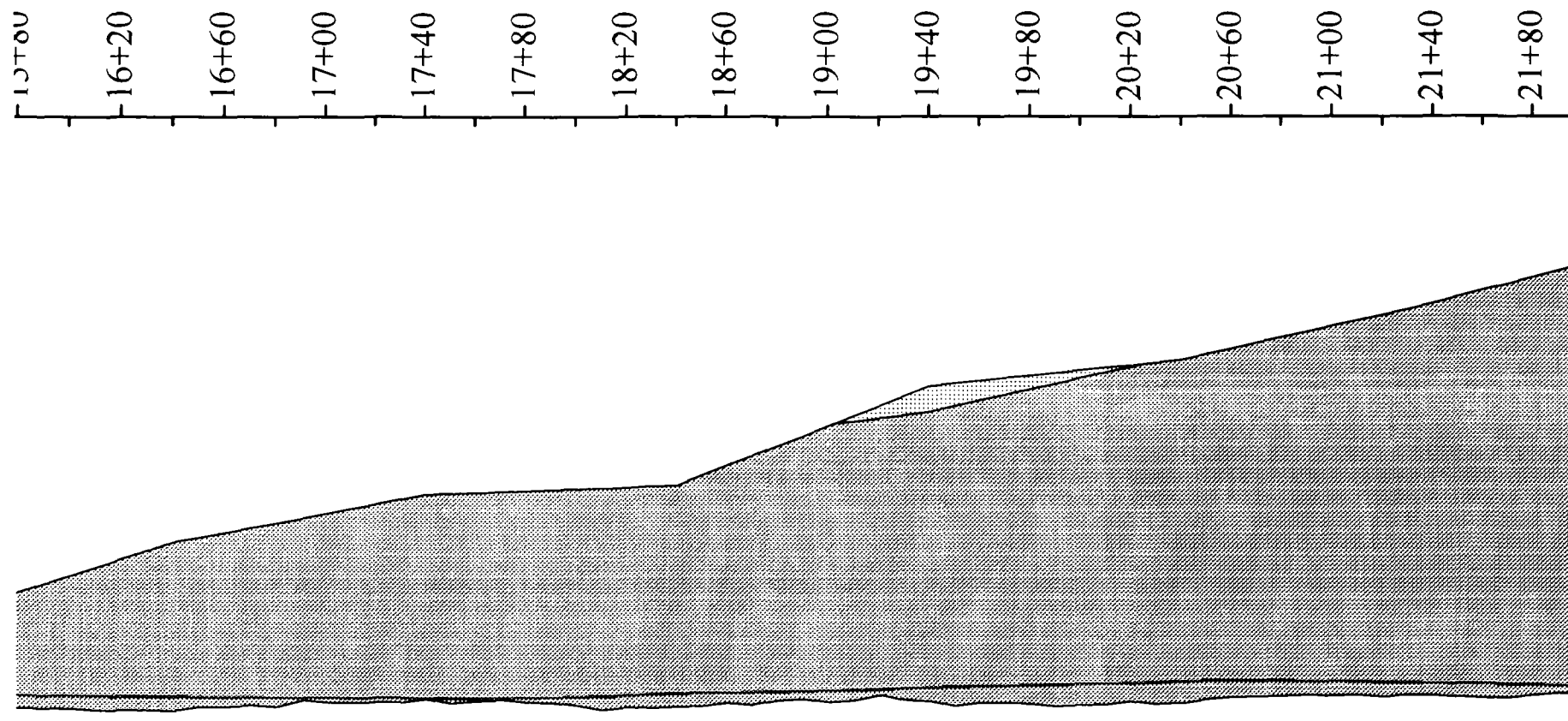
- Continue pumping and treating groundwater based on river level. System control will be based on river levels, as specified in the ROD and the ESD. Flow rates computed for the "no-wall" condition will be used.
- Remobilize equipment and manpower necessary to restart construction activities on the slurry wall. The activities planned for the month of March consist of:
 - Demolition and removal of the box culvert on the northern edge of the site.
 - Cleaning and backfilling the existing trench.
 - Excavating approximately 100 feet of the south leg of the slurry trench.

SLURRY WALL PROFILE



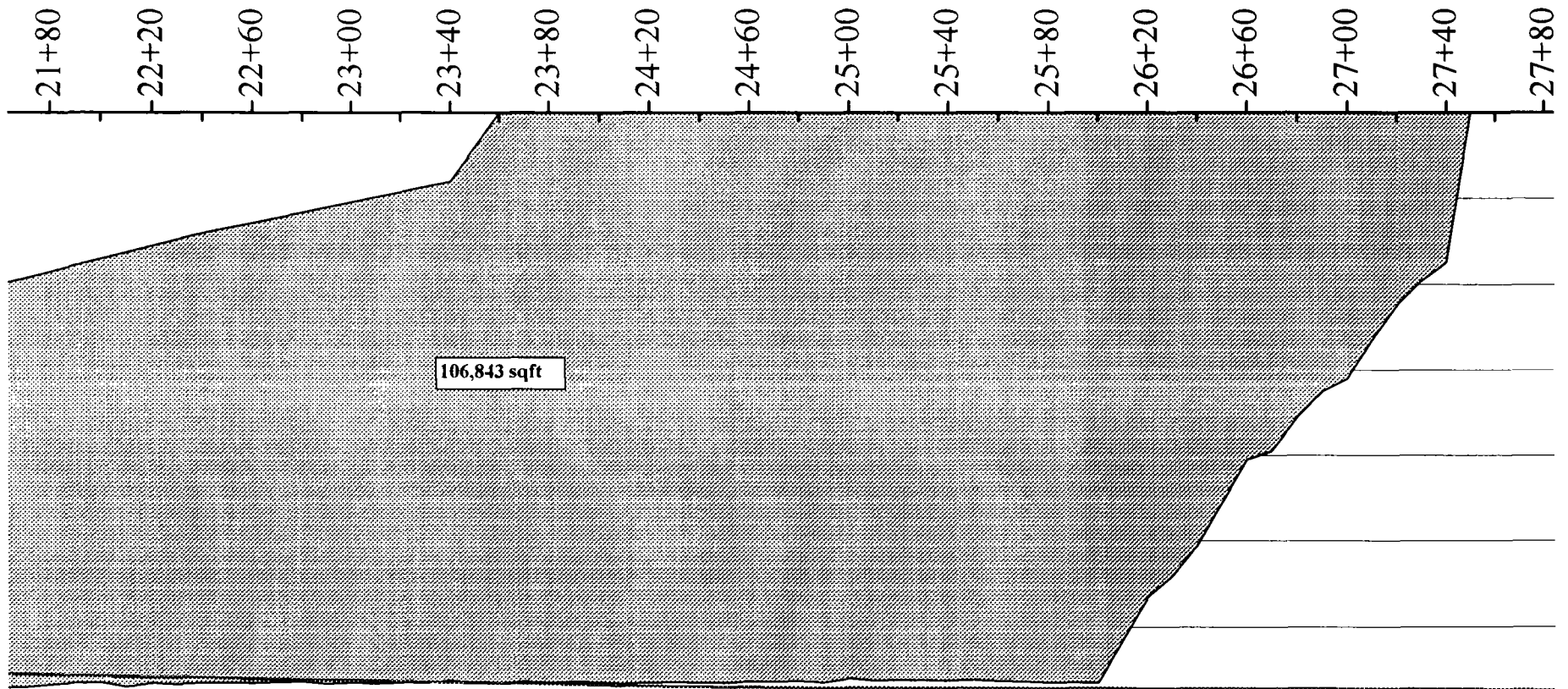


SURVEY STATION

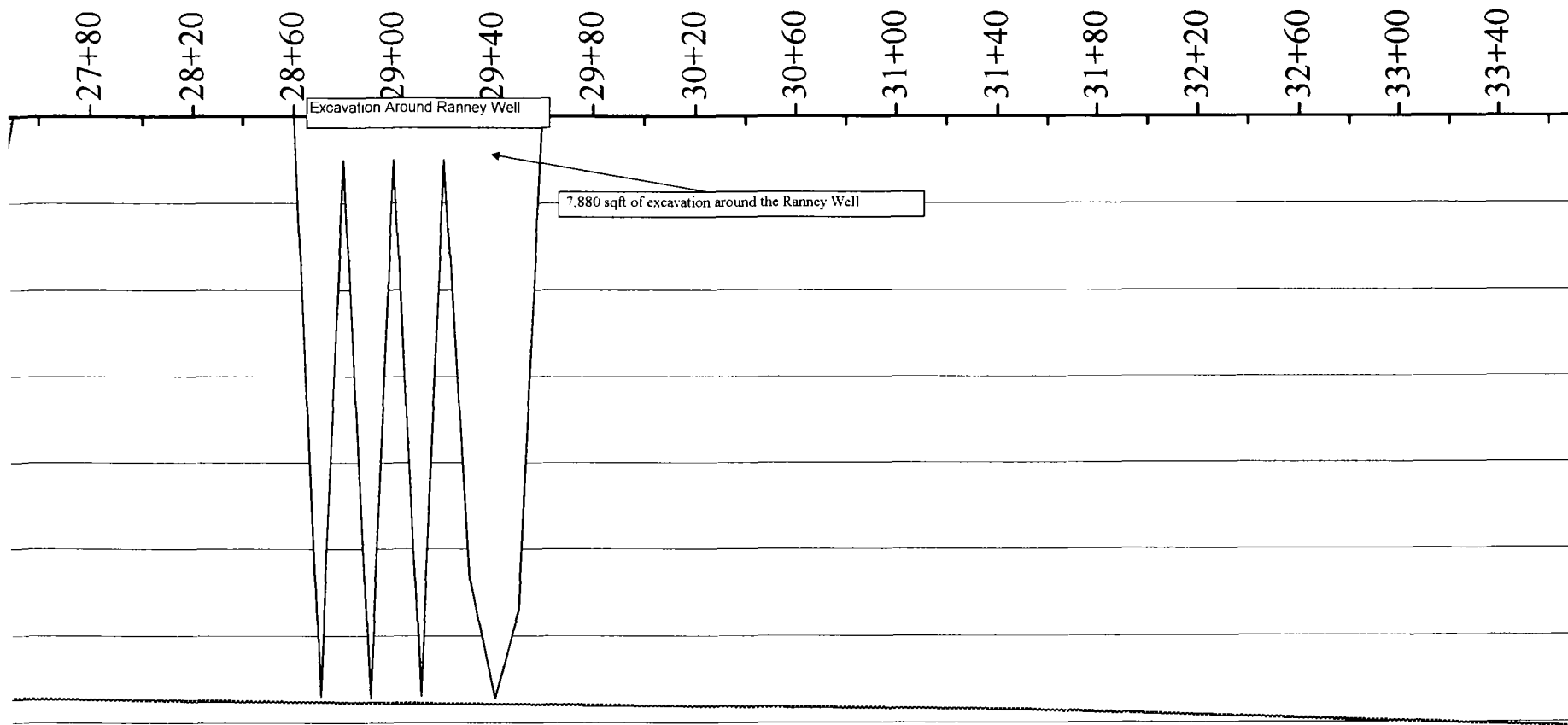


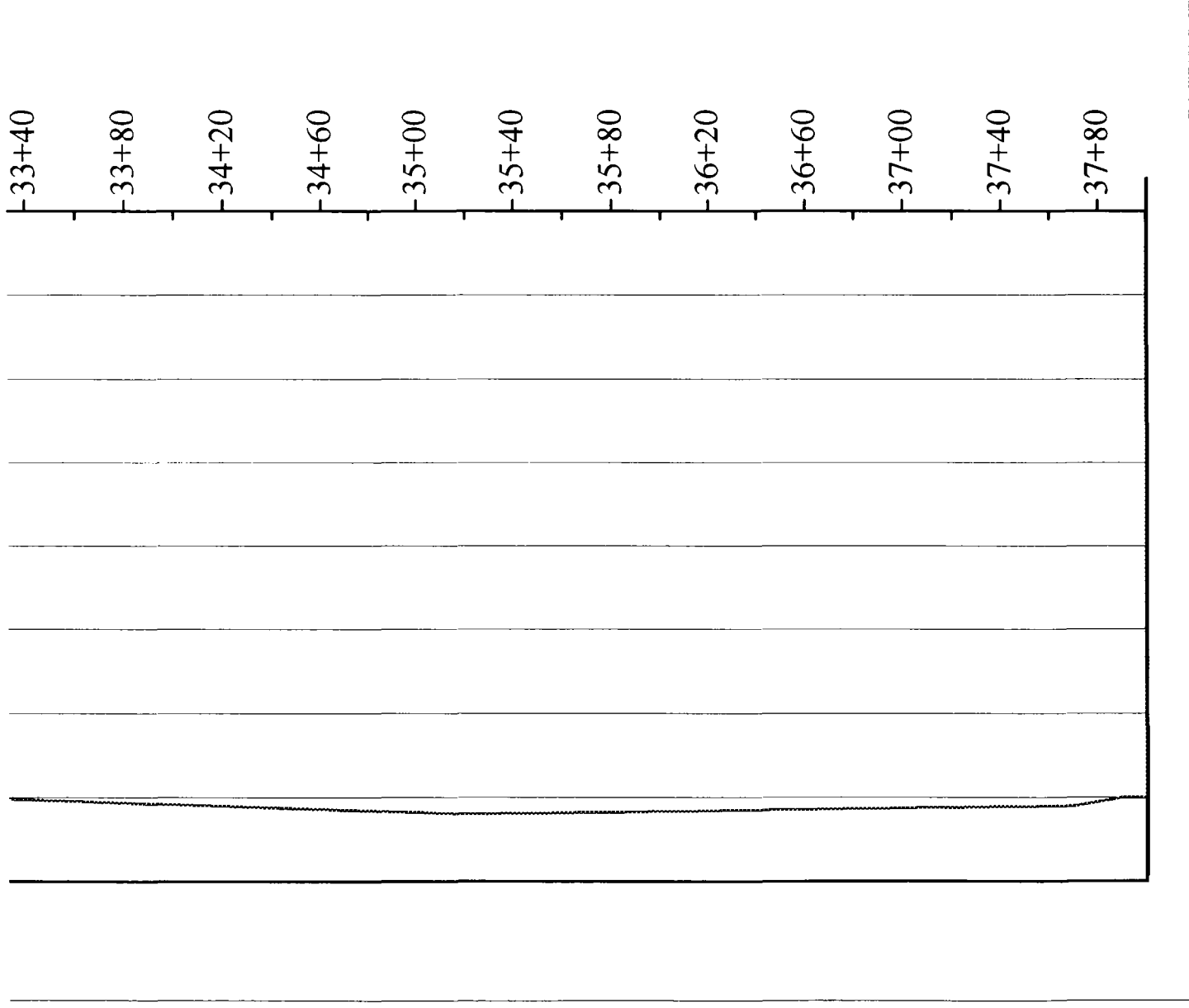
Backfill Area  Sediments and Sluff Elevation during Temporary Shu

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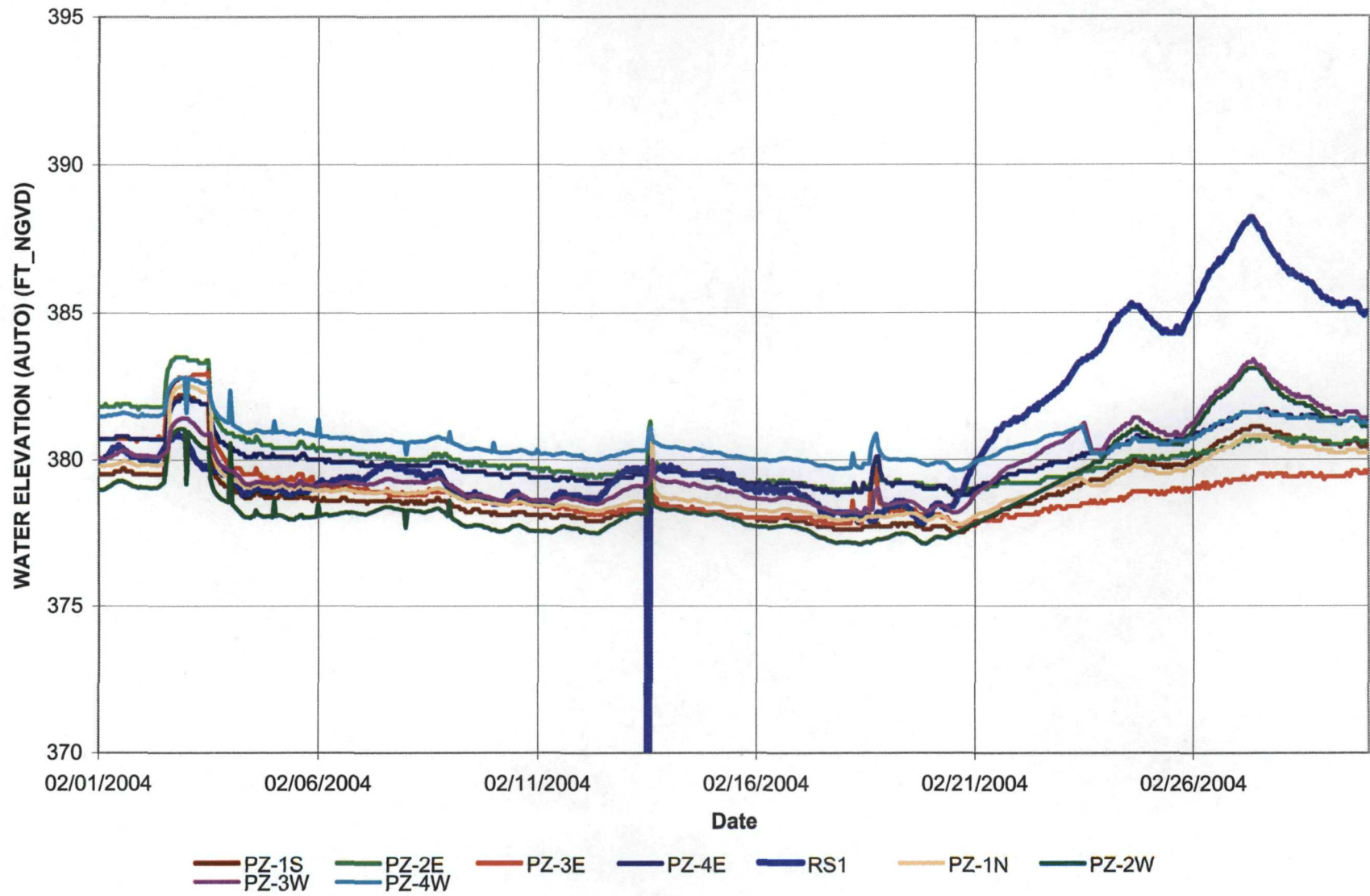
Shutdown ☐ Est. Bedrock Elevation ☐ Excavation Area



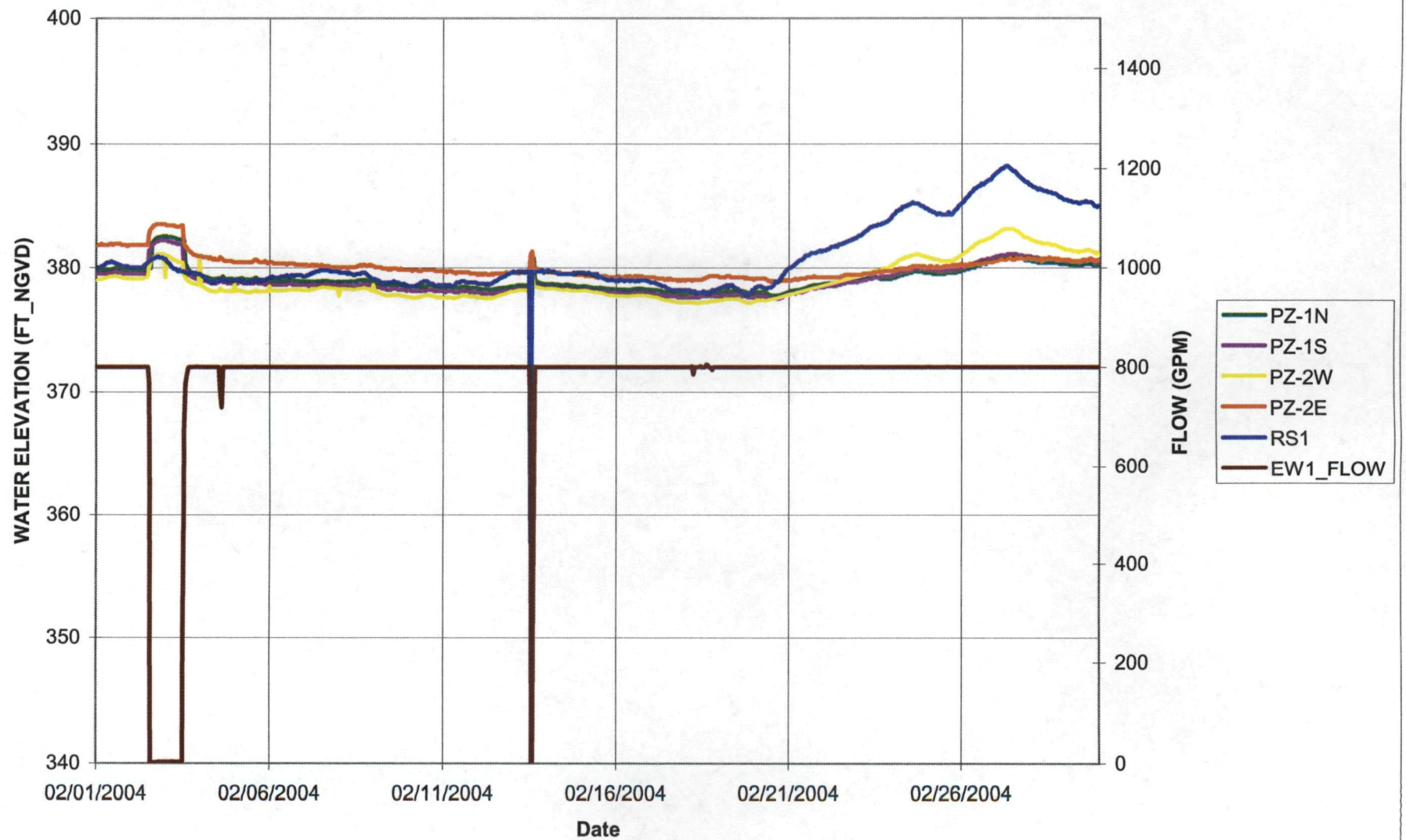


PUMPING

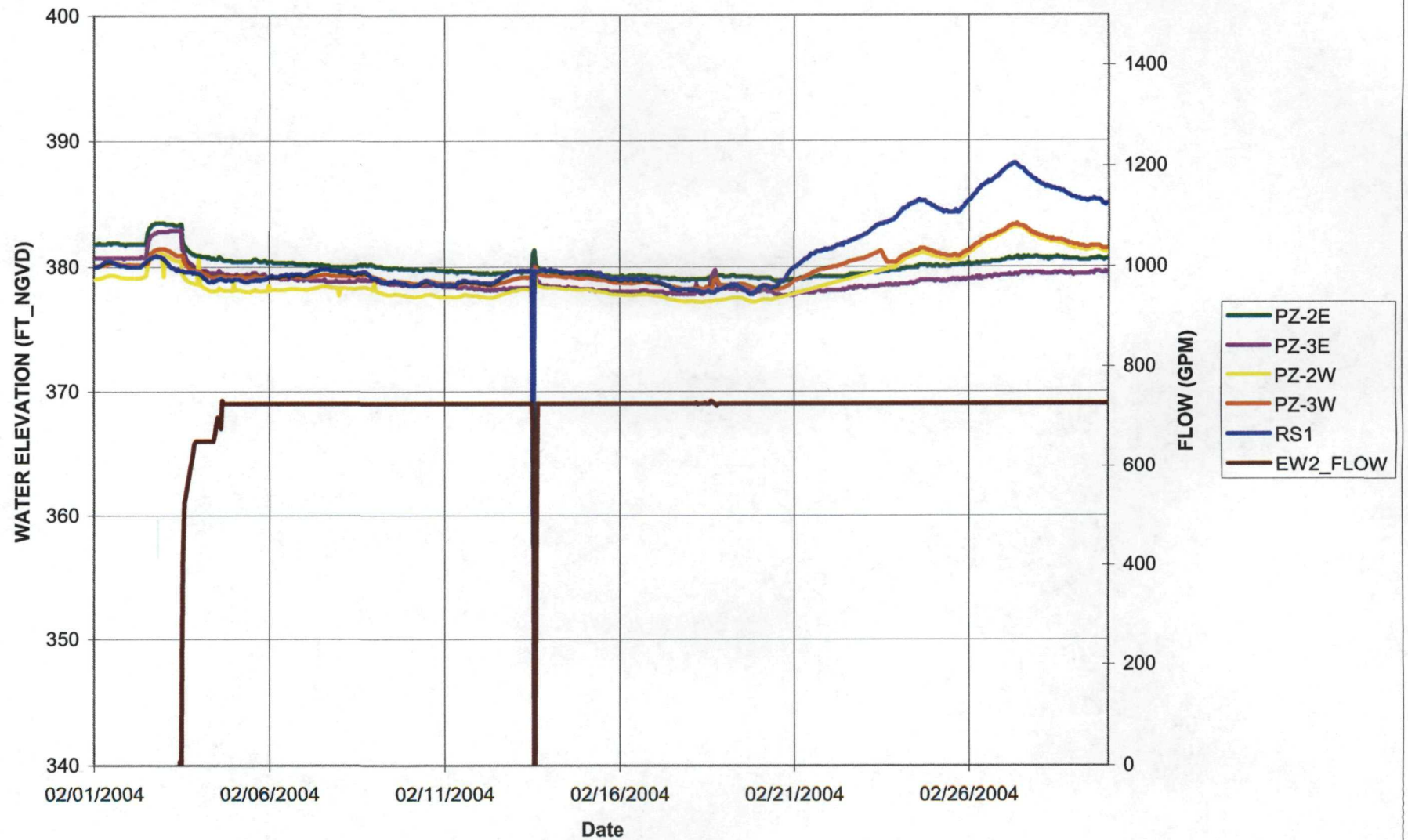
Water Elevations



WATER ELEVATION AND FLOW PLOT



WATER ELEVATION AND FLOW PLOT



WATER ELEVATION AND FLOW PLOT

